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FIGURE 4

FIGURE 2A

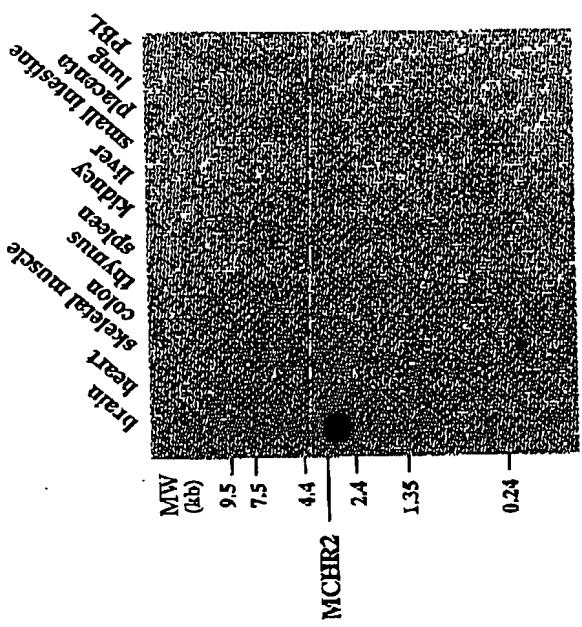


FIGURE 2B

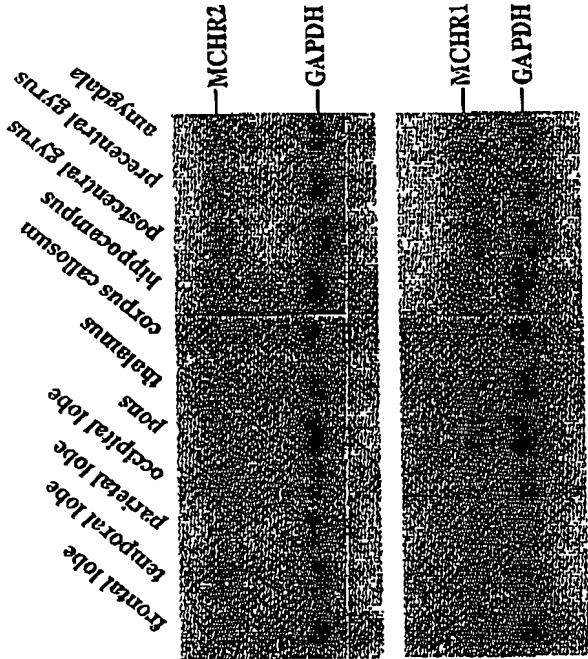


FIGURE 2 C

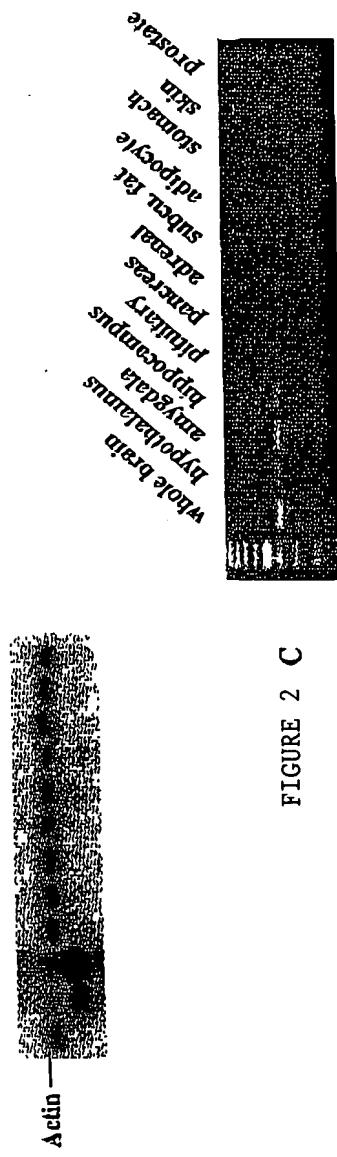


FIGURE 3A

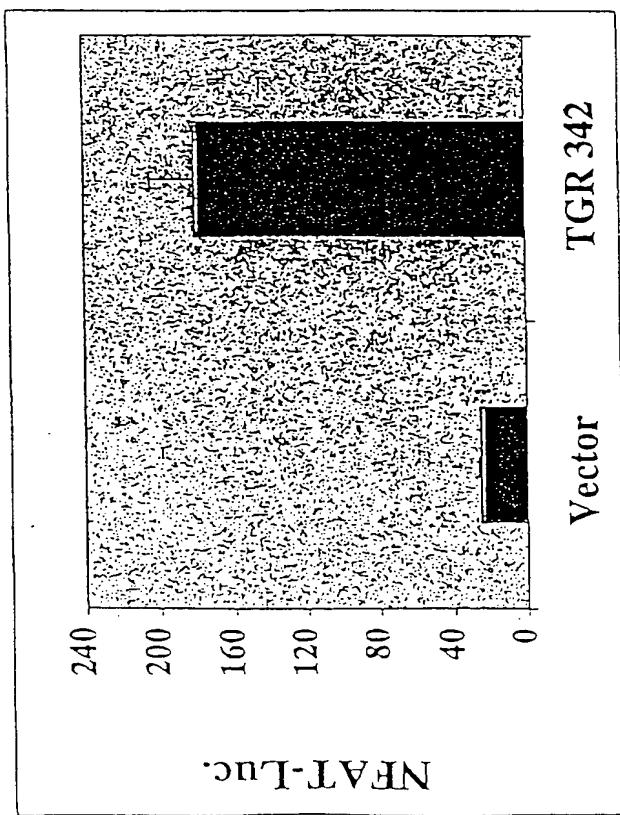
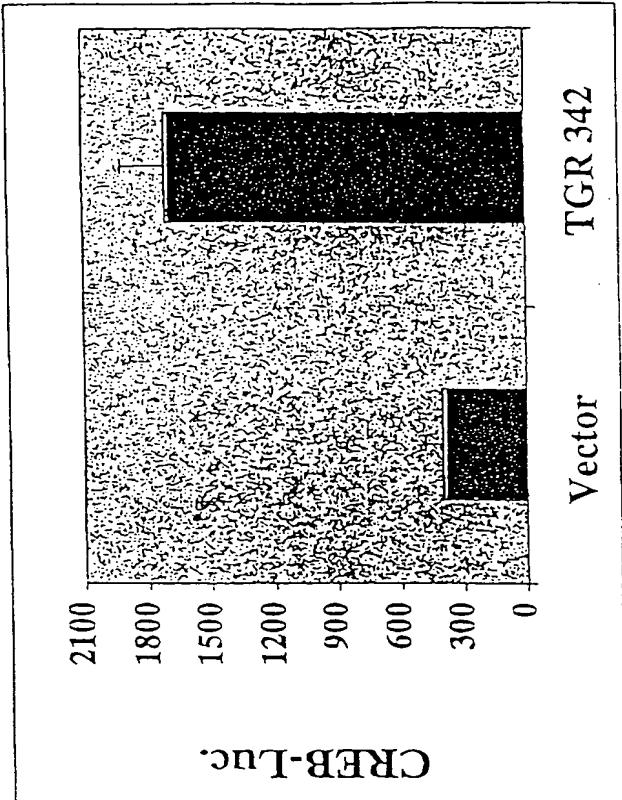


FIGURE 3B



- MCH causes similar dose-dependent stimulation of  $\text{Ca}^{2+}$  in cells transfected with either MCHR1 or MCHR2 constructs:

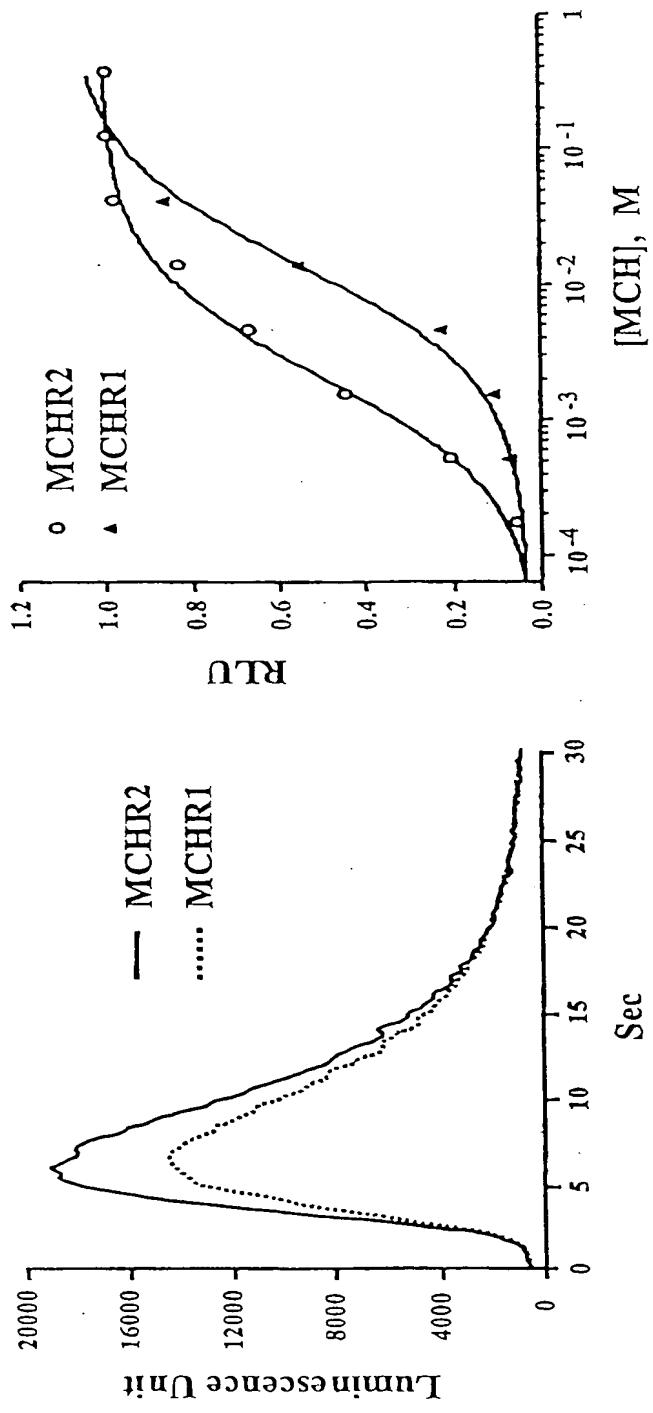


FIGURE 4A

FIGURE 4B

FIGURE 5  
MCH2 binds MCH specifically

➤ MCHR2 binds MCH specifically

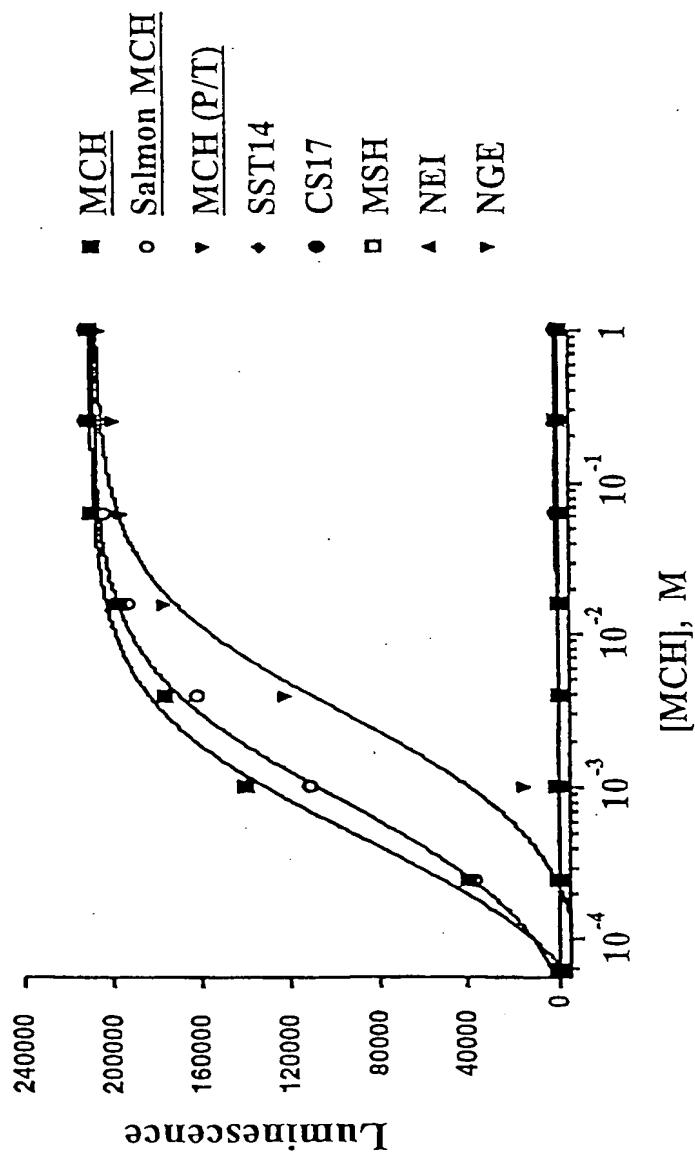


FIGURE 6

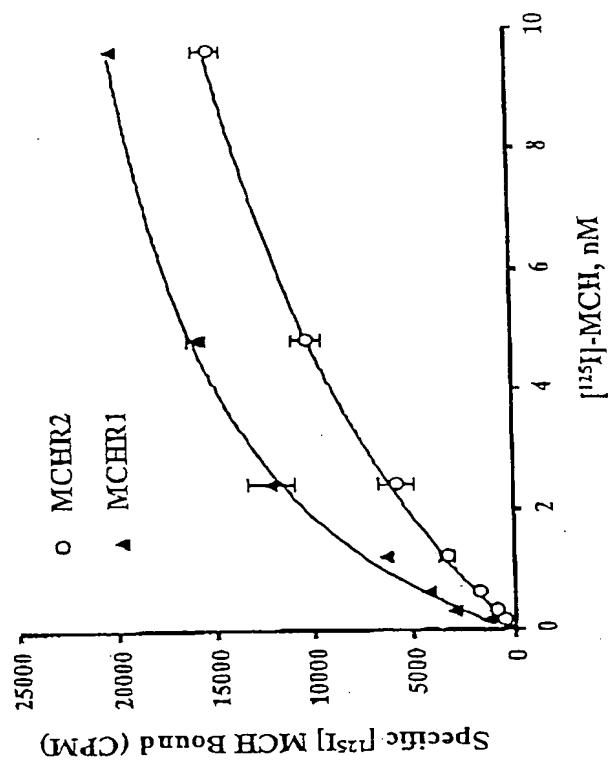


FIGURE 7

➤ Pertussis Toxin (PTX) specifically inhibits Gi signaling

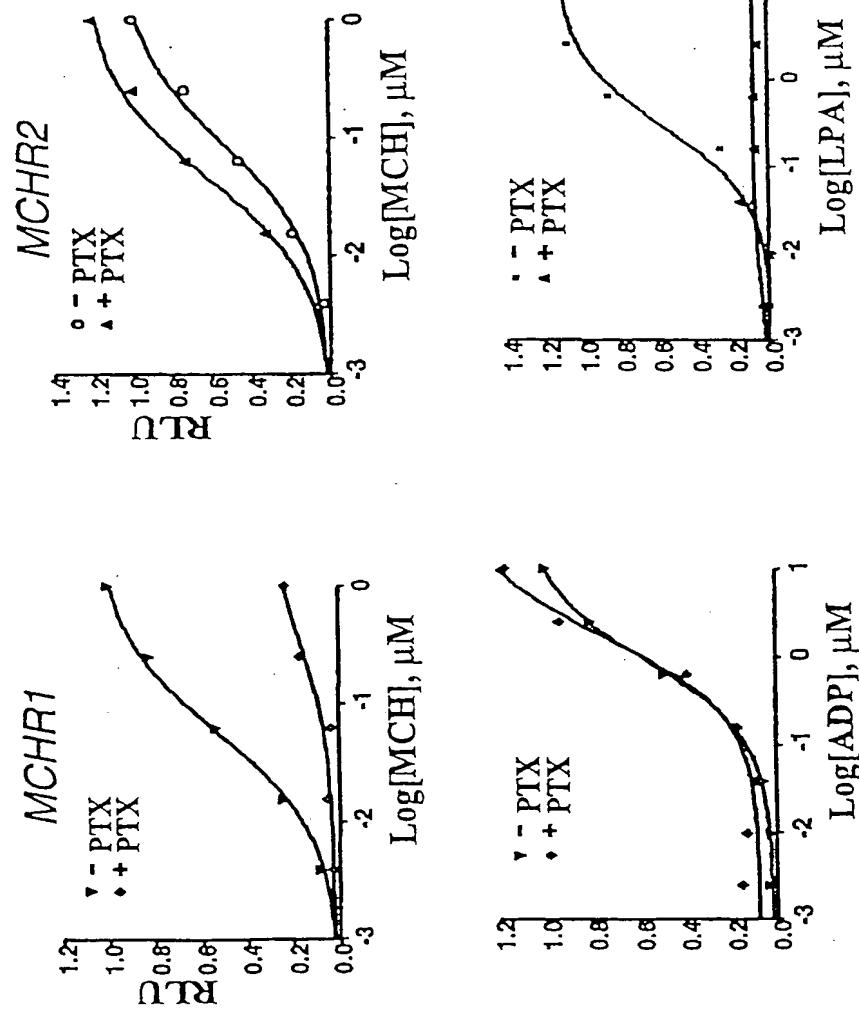


FIGURE 8

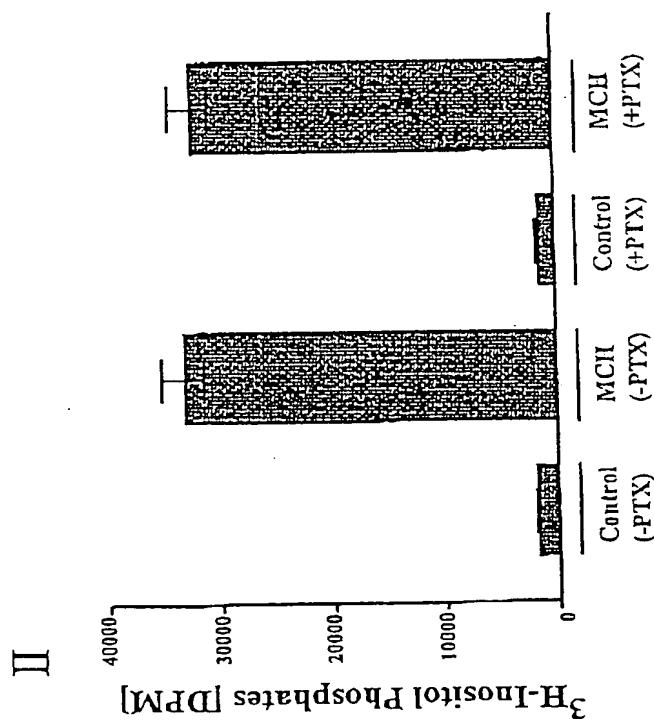
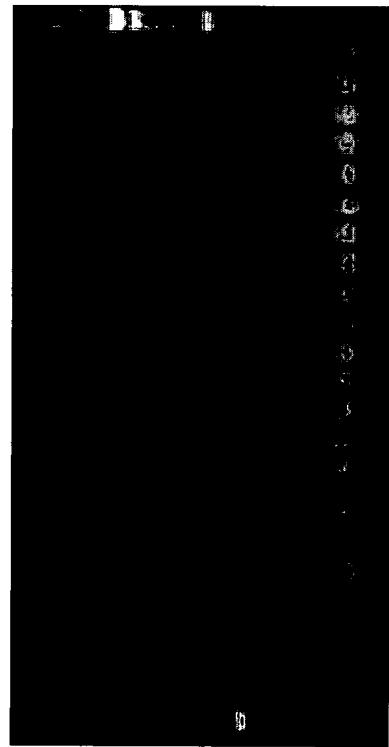
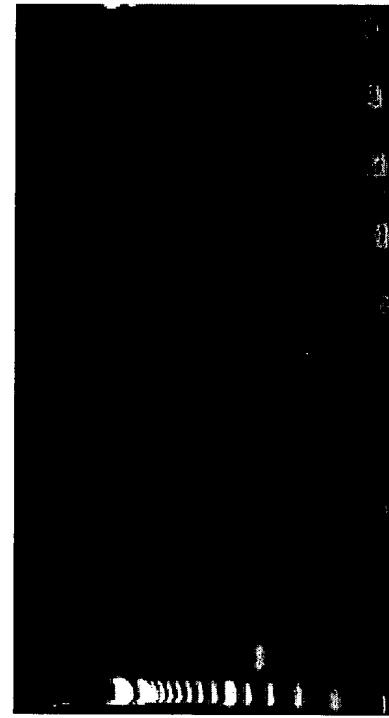


FIG. 9A



### Hypothalamus

1. Hypothalamus
2. Whole Brain
3. Hippocampus
4. Pituitary Gland
5. Amygdala
6. Adipocyte
7. Pancreas
8. Adrenal Gland
9. Stomach
10. Small Intestine
11. Liver
12. Skeletal Muscle



### Retina

1. Retina
2. Leukemia, promyelocytic
3. XG prostatic adenocarcinoma
4. XG ovarian carcinoma
5. XG renal carcinoma
6. Leukemia, lymphoblastic
7. Colorectal adenocarcinoma
8. XG melanoma
9. Lymphoma, Raji
10. Fetal brain
11. Hela
12. XG Lymphoma, Daudi
13. XG Lung carcinoma
14. Leukemia, myelogenous
15. XG mammary carcinoma
16. XG colon adenocarcinoma
17. XG glioblastoma
18. genomic

FIG. 9B

FIGURE 10A

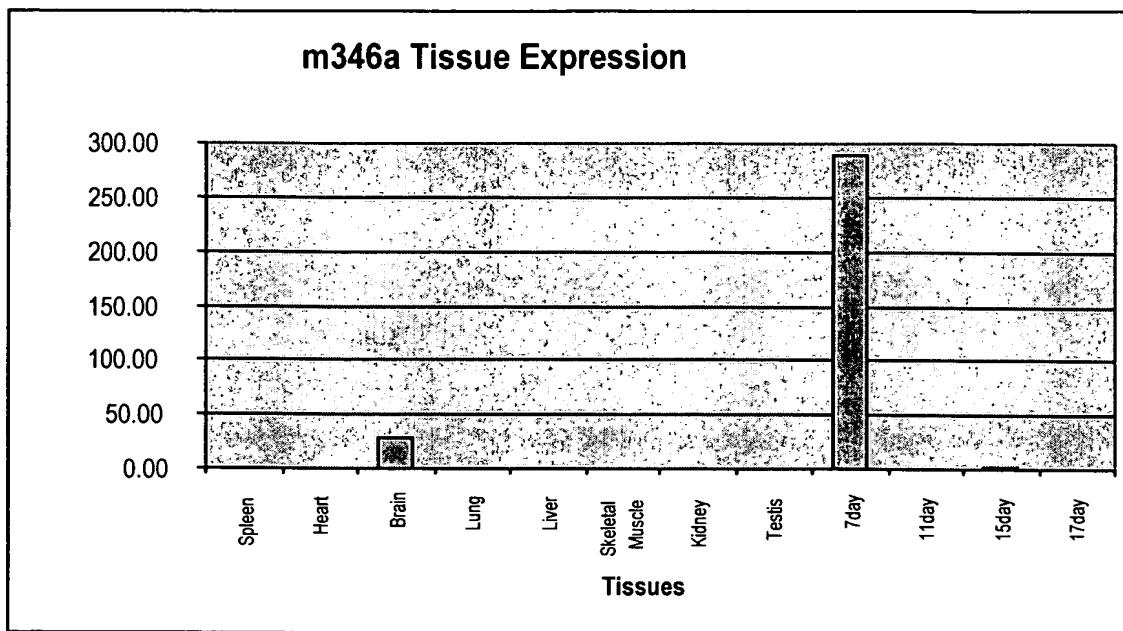


FIGURE 10B

